

STUDENT PROJECT FUNDS APPLICATION SUMMARY

This form serves as a cover sheet for your actual proposal. It is required of all applicants.

NOTE: 1) This form must be clear and legible. 2) Do not say "See Attached" when asked for information. At least a summary of the answer is required. 3) Include the checklist. 4) Submit original and one copy of the entire proposal using this form as the cover sheet on each.

SUBMIT PROPOSAL (including completed checklist and letters of support) **BY 3:30 p.m. ON OR BEFORE THE DUE DATE TO YOUR COLLEGE OFFICE.**

Keep a copy for your records.

Name of Lead Student: David Goodman

College: Kresge Phone: 714-363-1280

Complete Mailing Address: 118 Hainline Rd Aptos, CA 95003

(Award letter will be sent to this address. Notify college of address changes.)

Project Title: Autonomous Lifeguard

Project Category: Research (robotics engineering, emergency response)

Research (Specify academic area)

Public Event (Include date, location)

Brief Abstract (Please limit length to this space): As a senior capstone design project, an ambitious group of my peers and I are building an autonomous surface vessel that will aid a lifeguard on the beach in order to save someone from drowning. Our project allows a lifeguard to quickly target a drowning person with a magnifying scope that will obtain their GPS coordinates and communicate them to an autonomous boat located in the water beyond the shore breaks. The boat will autonomously navigate to the person, allowing the drowning individual to hang on and stay afloat until the lifeguard arrives.

Total Budget for this project \$ 3535.42

Funds requested / received from other sources* \$ _____ from _____

\$ _____ From _____

\$ _____ From _____

Amount requested from Student Project Funds \$ 450.00

*If no other funding has been received or requested, please explain what efforts have been made. We have attempted to contact the CITRIS institute for funding, however their budget is very limited and they were unable to offer funding. We will continue to search for funding from colleges and other organizations.

Are you willing to release your proposal and the results of your proposal as sample material for others writing proposals?
Yes.

Checklist

Include one copy of this sheet with your original proposal.

Please check each of the following items to be sure your proposal is in compliance with the guidelines.

Please answer the following questions with a "yes" or "no":

- yes 1. Are you an undergraduate student?
- yes 2. Are you a currently registered student and will you continue to be when funds are used?
- no 3. Has this project been previously funded by this funding source?
- no 4. Is this project an ongoing / annual event or project?
- no 5. Has this project been completed?
- no 6. Is the proposal for an Education Abroad Program or any other formal extramural education program?
- yes 7. Is a complete itemized budget included?
- no 8. Is the proposal a request for class enrollment fees?
- no 9. Does the proposal budget include payment of salaries?
- no 10. Is the proposal for personal living expenses?
- no 11. Is the proposal for your travel in connection with a paper or presentation?
- no 12. Is the travel in connection with some other activity?
- yes 13. Are letter(s) of support included with proposal? **(NO LATE ADDENDUM TO PROPOSALS WILL BE ACCEPTED.)**
- no 14. Thesis project? Has relevant Board / Division been consulted for funding? (Please attach Dept. statement)
- yes 15. Has the typed Application Summary form been used as the cover sheet of the proposal?
- yes 16. Is one copy of complete proposal (in addition to original) attached?
- yes 17. Have you reviewed this proposal with anyone?

Who: Lydia Zendejas

Applicant's Signature

Date